



Facility Permit No: SLAS-27-08
Eddie Younts Septic Tank Service
Permit to Operate
May 4, 2015
Page 1 of 5

North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION

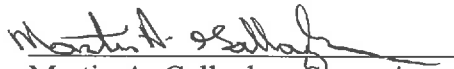
**PERMIT TO OPERATE A SEPTAGE LAND
APPLICATION SITE**

Eddie Younts Septic Tank Service
Charles E. Younts, Jr.
7764 Caratoke Hwy
Powells Point, NC 27966

is hereby permitted to operate Septage Land Application Site with permit # **SLAS-27-08** located on SR 1118 in Currituck County at approximate position 36.15698° N latitude and -75.84109° E longitude. This site is permitted only for operations that are conducted in accordance with the representations made in the approved application, with all conditions attached to this permit, and with all of the provisions of 15A NCAC 13B.0800 -- Septage Management. Failure to operate as permitted may result in the Department suspending or revoking this permit, initiating action to enjoin the unpermitted operation, imposing administrative penalties, or invoking any other remedy as provided in Chapter 130A, Article 1, Part 2 of the North Carolina General Statutes.

This permit shall be reviewed annually to determine if soil test results and management activities are in compliance with the Septage Management Rules and the conditions of this permit. Modifications, where necessary, shall be made in accordance with rules in effect at the time of review.

Date Issued 5/4/2015


Martin A. Gallagher, Supervisor
Composting & Land Application Branch,
Solid Waste Section
Division of Waste Management, NCDENR

CONDITIONS OF OPERATING PERMIT

1. This permit shall become void if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards of both surface and ground waters.
2. This site shall be operated and maintained in accordance with the nutrient management plan submitted by Charles E. Younts, Jr. and approved by the Division of Waste Management. The 12.1-acre site shall be divided into two fields as Field 1 (6.8 acres) and Field 2 (5.3 acres). Both fields shall remain established in Common Bermudagrass and shall be overseeded with annual ryegrass in the fall of each year. Areas where the bermudagrass stand drops below 80% in coverage shall be re-seeded in bermudagrass. The planting and harvest of the bermudagrass and annual ryegrass shall be followed as outlined in the nutrient management plan. The 30-day waiting period between the last application of septage and the harvest of any crop shall be met by alternating between the two fields as described in the nutrient management plan. All discharges shall occur within the permitted area and shall be consistent with the crop rotation in the approved plan.
3. This site shall be operated and maintained in accordance with the erosion and runoff control plan submitted by Charles E. Younts, Jr. in such a manner as to prevent the migration of wastes off of the designated waste receiving site. A vegetative buffer shall be maintained around the perimeter of the site. Any site improvements noted in the plan must be installed within 30 days of plan approval. The installation of groundwater monitoring wells shall be required as deemed necessary by the Division.
4. The issuance of this permit does not preclude the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by other local, state, and federal government agencies which have jurisdiction. It is the responsibility of the Permittee to be in compliance with the Federal Regulations listed in the Code of Federal Regulations, 40 CFR Part 503.
5. This permit may be modified or reissued at any time to incorporate any conditions, limitations, and/or monitoring requirements the Division deems necessary to adequately protect the environment and public health.

6. **This site is only permitted for the land application of domestic septage, portable toilet waste, and grease septage.** The pH of domestic septage and/or portable toilet waste shall be raised to 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 30 minutes prior to land application. For grease septage or grease septage mixed with domestic septage, the pH shall be raised to 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 2 hours prior to land application.
7. **This site contains approximately 12.1 acres that are available for land application of septage.** The maximum annual application rate shall be 50,000 gallons per acre per year. At this application rate, a maximum annual volume of 605,000 gallons may be applied to this site. Application amounts to the two fields shall not exceed the maximum annual application rate or the monthly application rates listed in the approved nutrient management plan. The maximum annual application rate assumes equal septage distribution, on an annual basis, over the entire permitted area.
8. An approved above ground septage detention system with a minimum design capacity of 12,000 gallons shall be available prior to operation of this site unless an approved wastewater treatment plant is available for use during periods of adverse weather. The storage capacity may be adjusted if it is demonstrated during the operation of the site that this volume of storage is inappropriate.
9. Only the area designated on the attached site map shall be utilized for septage disposal. Each load of septage discharged at the site shall be distributed from a moving vehicle in such a manner that there is no standing water when the discharge is complete.
10. Septage shall not be applied during any precipitation event, or if there is standing water on the soil surface, if the soil surface is frozen, or if the soil surface is snow covered. The Permittee shall consider pending weather conditions when making the decision to land apply in order to prevent any discharge of septage outside of the permitted boundary.
11. Septage shall not be applied during periods of high soil moisture. Septage applications that will result in ruts greater than three inches in the soil surface are prohibited.
12. Any discharge of septage outside of the permitted boundaries via runoff, aerial drift, etc. is prohibited.

13. This permit shall become voidable unless the land application activities are carried out in accordance with the conditions of this permit and in the manner approved by this Division. No one other than the Permittee or an employee of the firm named in this permit shall discharge septage at this site without prior appropriate notification and written approval from the Division.
14. Prior to any transfer of this land, a notice shall be given to the new owner that gives full details of the materials applied or incorporated at this site. The Division shall be notified prior to site closure. This permit is non-transferable.
15. **This permit shall expire on May 4, 2017.** Modifications, when necessary, shall be made in accordance with the rules in effect at the time of renewal. An application for permit renewal shall be submitted at least ninety (90) days prior to the permit renewal date. A septage application log for the period of time this permit was valid shall be submitted along with an application for permit renewal or modification. The information required in the log is described in Rule 15A NCAC 13B .0838 (e) (1) of the NC Septage Management Rules and the Code of Federal Regulations, 40 CFR Part 503.17 (b).
16. Records shall be kept in accordance with 40 CFR 503.17(b). These records shall be made available to a representative of the Division upon request.
17. Any duly authorized officer, employee, or representative of the Division may, upon presentation of credentials, enter and inspect any property, premises, or place on or related to the disposal site and facility at any reasonable time for the purpose of determining compliance with this permit; may inspect or copy any records that must be kept under the conditions of this permit; or may obtain samples of groundwater, surface water, or leachate.
18. Field separations in the nutrient management plan and all pertinent setbacks shall be clearly located on the site. Boundaries of the permitted septage land application fields shall be clearly marked on the ground.
19. The areas that can be used for land application of septage shall be maintained to meet the minimum setback distances as described in NC Septage Management Rule 15A NCAC 13B .0837 (d) such as 500 feet from any existing wells, residences, places of business, or places of public assembly. Also, septage shall not be disposed of within 50 feet of any property line or within 100 feet of any ditch.

SLAS-27-08



Source: Aerial image from Esri, DigitalGlobe, GeoEye, i-cubed, USDA FSA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community. Site boundary from NC DENR Division of Waste Management. Map created by NC DENR Division of Waste Management for permitting purposes only.

crc, Apr. 2015



North Carolina Department of Environment and Natural Resources

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May 14, 2015

Mr. Charles E. Younts Jr.
Eddie Younts Septic Service
7764 Caratoke Hwy.
Powells Point, NC 27966

**RE: SLAS-27-08 Permit Renewal
Eddie Younts Septic Service
SR 1118 in Currituck County**

Dear Mr. Younts:

The NC Division of Waste Management has reviewed your application for permit renewal of Septage Land Application Site, **Permit # SLAS-27-08**, in Currituck County. Your application has been approved in accordance with NC Septage Management Rules and your permit, **SLAS-27-08**, is enclosed.

Please read all permit conditions carefully. Your nutrient management and soil erosion and runoff control plans have been included in your permit. The permitted maximum annual application rate for this site is stated within Permit Condition 7. Also, an application for permit renewal must be submitted at least ninety (90) days prior to the permit expiring as stated within Permit Condition 15. **The enclosed permit shall expire on May 4, 2017.**

Violations to the NC Septage Management Rules or this permit could subject you to administrative penalties of up to \$15,000 per violation per day. If you have any questions concerning your permit or septage in general, please contact me at (919) 707-8283. When communicating to the Division about this permit, please refer to it as "**SLAS-27-08.**"

Sincerely,

Chester R. Cobb, Soil Scientist
Division of Waste Management, NCDENR

Enclosures

cc: Central File
John College, Environmental Senior Specialist
Currituck County Health Department

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REC'D
12-27-13
CRC

APPLICATION FOR A PERMIT TO OPERATE A SEPTAGE LAND APPLICATION SITE

North Carolina Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
1646 Mail Service Center, Raleigh, NC 27699-1646

I. Site and Operator Information

1. Applicant Charles E. Younts Jr. / Eddie Younts Septic Tank Service
Address 7764 Caratoke Hwy.
Powells Point, NC 27966
Phone 252-491-8445

2. Contact person for site operation (if different from applicant): Eddie Younts
Title or position Owner Phone 252-491-8445
Address Same as above

3. Landowner Charles E. Younts Jr.
Address _____

4. Site Location: County Currituck State Road Number SR 1118
Directions to site: Travel south 158 from Grandy, NC and go about 6 miles. Turn left onto
SR 1118 (S. Bayview Rd.) and go about ¾ mile to dirt path on the right.

5. Indicate whether request is: new _____ renewal X modification _____

For a permit renewal or modification, provide the following information:

Existing site permit number: SLAS-27-08 permit expiration date: 12-22-13

6. Number of acres meeting the requirements of the N.C. Septage Management Rules: 11 acres.

7. Substances other than septage or grease trap pumpings previously disposed of on the site:
(a) None X, or (b) Attach a list indicating other substances, the amounts discharged, and the dates of discharge.

8. Attach written, notarized landowner authorization to operate a septage disposal site signed by the landowner (if the permit applicant does not own the property). *If a corporation owns the land use a corporate landowner authorization form. If limited liability company owns the land, use a limited liability company landowner authorization form.*

9. Attach site evaluation report, including aerial photograph and soil analysis with metals results, unless the Division prepared the report.

10. Attach a vicinity map (county road map showing site location).

(over)

II. Site Management Information:

The following information shall be included with the application form:

1. Nutrient Management Plan
2. Soil Erosion and Runoff Control Plan
3. Alternative plan for disposal (detention facility permit number or wastewater treatment plant authorization): SDTF-27-08
4. Types of septage proposed to be discharged at the site (check all that apply):
 - (a) Domestic septage pumped from septic tanks X
 - (b) Grease trap pumpings X
 - (c) Portable toilet waste X
 - (d) Commercial / Industrial septage _____
5. Proposed treatment method of each type of septage to be land applied (use additional paper to explain if necessary): Hydrated lime will be added to domestic septage to raise the pH to 12 for 30 minutes prior to application. For septage containing a mixture of grease trap pumpings, the septage will be raise to a pH of 12 for 2 hours prior to application. Septage at a pH of 12 when applied.
6. Proposed method of applying septage to land, including septage distribution plan if required * (use additional paper to explain if necessary): Septage to be land applied by pump truck evenly across the field as to leave no ponding or surface disturbance.
7. Demonstration from the appropriate state or federal government agency that the land application site complies with the Endangered Species Law ** or if any part of the site specified is not agricultural land (use additional paper to explain if necessary): Site is agricultural land.

III. Certification

I hereby certify that:

1. The information provided on this application is true, complete, and correct to the best of my knowledge.
2. I have read and understand the N.C. Septage Management Rules, and
3. I am aware of the potential consequences, including penalties and permit revocation, for failing to follow all applicable rules and the conditions of a Septage Land Application Site permit.

Charles Edward Vaunts Jr.
Signature**

12/21/13
Date

Charles Edward Vaunts Jr.
Print name

owner
Title

Note: This application will not be reviewed until all parts of the application are complete.

* Refer to Section .0837(e) of the N.C. Septage Management Rules.

** Refer to Section .0837(g) of the N.C. Septage Management Rules.

***Signature of company official required.

DRAFT JUNE 22, 2003

CHARLES E. YOUNTS
Site Permit No: SLAS - 27-08
NUTRIENT MANAGEMENT PLAN FOR
SEPTAGE APPLICATIONS TO BERMUDAGRASS AND ANNUAL RYEGRASS

A. General Information

1. The permitted site is located off of the state route 1118 in Currituck.
2. Periodic sampling of the septage is not being conducted at this time.
3. Total permitted site size is 11 acres. The site will be divided equally into two sections with them being designated as field one (1) and two (2) so that areas can be alternated between cutting and the application of septage.
4. The dominant soil series at this site is Conetoe loamy sand.
5. Septage will not be applied where the site is untrafficable. (Untrafficable is defined as a soil that will allow truck to leave a depression in sod greater than 3 inches in depth.)
6. All nitrogen recommendations for forages will be 75% of the realistic yield expectation nitrogen rate should the forage be only grazed.
7. Septage storage shall be provided to account for the average volume of septage pumped per week, or an alternative plan, such as disposal at a waste treatment plant, should be in place.

B. Crops to be grown and approximate planting times

1. The field is seeded in a summer crop, common Bermudagrass. If the bermudagrass stand falls below 80%, the bare spots will be reseeded from April 2 - May 15 at a rate 6 - 8 pounds per acre.

As a winter crop, annual ryegrass will be overseeded onto the bermudagrass at a rate of 20 - 30 pounds per acre by a drill or broadcasted at a rate of 30 - 40 pounds per acre during the months of September and October in order to be established.

C. Nitrogen needs for crops grown:

R.Y.E. = Realistic Yield Expectations

N Appl. Rate = Suggested N application rate based on R.Y.E.

<u>Crop (cut for hay)</u> <u>N/acre</u>	<u>R.Y.E.</u>	<u>N Appl. Rate</u>	<u>Lbs</u>
Common Bermudagrass N/ac	4 tons/ac	50 lbs N/dry ton	200 lbs
Annual Ryegrass N/ac	2.5 tons/ac	50 lbs N/dry ton	125 lbs

D. Relative application rate (per acre) for field

<u>MONTH</u>	<u>FIELD</u>	
	<u>#1</u>	<u>#2</u>
January	Low	Low
February	Low	Low
March	None	Medium
April	High	None
May	None	Medium
June	High	None
July	None	High
August	Medium	None
September	None	Low
October	Low	None
November	Low	Low
December	Low	Low

None = 0 gallons; Low = 5,000 gallons; Medium = 10,000 gallons; High = 15,000 gallons

Note: Cumulative application rate is not to exceed the permitted rate.

E. Application Method

The preceding information is based on septage being evenly applied over the entire site with a splash shield or side discharge extension.

F. Crop Management and Additional Fertility Requirements

For the common bermudagrass, do not apply lime because of the lime supplied by the stabilized septage (see note below). Apply 100 pounds of 0-20-20 per acre prior to planting to help the crop to establish itself unless the report from the soil sample indicates that nutrient levels are sufficient. The remainder of the nutrients will be supplied by the septage, which will be surface applied to the crop during the growing season. If higher levels of production by the crop are desired, then supplemental nutrients may be needed. Incorporation of the fertilizer prior to planting the common bermudagrass with a disk and/or chisel-plow will suffice for preparing the seed bed. Seeds can be drilled or broadcasted, but if broadcasted, lightly disk the seed in after planting.

In September, clip the bermudagrass to a height of 1 inch or less. Prior to seeding the annual ryegrass, apply 200 pounds of 10-10-10 per acre unless otherwise indicated by the soil test report. This fertilizer is needed as a starter and only 20 pounds of nitrogen per acre is negligible when considering the cumulative net requirement of the two crops. Overseeding may be accomplished by using a sod-seeder or a grain drill. A light disking may be required prior to seeding (especially since septage application equipment may compact the soil) with a grain drill or broadcast seeder.

NOTE: Soil samples should be taken annually to monitor the Ph of the soils as well as other nutrients in the soil. Since most waste materials do not contain optimum nutrient balance required for each crop and field, it is important to check the soil recommendations and, if necessary, supplement with commercial fertilizer. The pH of the soil at the site will be higher than that required for most crops because of the addition of lime stabilized septage. There should be no need for additional lime to meet the needs of the crop.

G. Harvest of the crop and their use.

1. The bermudagrass will be cut as hay and baled whenever it reaches approximately 12 inches in height, or roughly every 4 weeks beginning in June. Each field will be harvested three times.
2. The ryegrass will be cut as hay and baled in March and April from Field 1 and 2, respectively.
3. A 30 day waiting period must be observed between the last application of septage and harvest. Beginning about the first of March each year, septage will be applied strictly to Field 2 while the ryegrass on Field 1 is undisturbed for 30 days. After 30 days the ryegrass in Field 1 will be harvested and septage application switched to this field (Field 1). After an additional 30 days, late April/early May, the ryegrass will be harvested from Field 2. By early May, a rotation is established which can cycle every 30 days between the bermudagrass harvests. By the end of October, ryegrass will have been planted and the entire site will be available for septage application until the end of February the following year.
4. The hay will be used for some purpose off of the permitted site.

SOIL EROSION AND RUNOFF CONTROL PLAN

Given that slopes on this site do not exceed five percent, a 50 foot buffer should suffice to prevent septage waste from migrating off of the fields. The buffers will be the same as that in the application area. (More severe site conditions could require that soil erosion structures be installed before septage can be applied.)

Submitted by: Charles E. [Signature]
Site Operator

Date: 12-21-13

→ OTHER
DOCUMENTS
SCANNED ON
THIS DAY

Preparation Assisted By: [Signature]

Date: 6-24-2003

SEPTAGE LAND APPLICATION LOG

COVER SHEET

Site Operator: CHARLES E. YOUNTS JR. (EDDZE)
SLAS Permit #: SLAS-27-08
Site Location: 36.1569°N, -75.8414°W
(street address for the site or latitude and longitude)
Number of acres permitted: 11
Permitted application rate: 50000 GAL/AC/YR
(gallons septage per acre per year)
Crop(s): BERMUDAGRASS / RYEGRASS
Crop nitrogen requirement(s): 200 lbs/ac
(pounds nitrogen per acre)

CERTIFICATION:

"I certify, under penalty of law, that the pathogen requirements in (insert either 503.32 (c)(1) or 503.32 (c)(2)) and the vector attraction reduction requirements in (insert 503.33 (b)(9), 503.33 (b)(10) or 503.33 (b)(12)) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Charles Edward Younts Jr.
(signature)

12-21-13
(date)